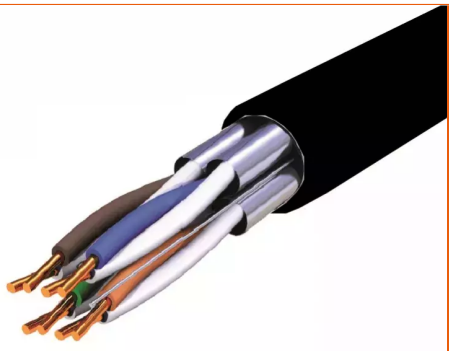
# IN AND OUT IP Cable

**AGINODE CAT6A U/FTP 4P IN/OUT ECA 500M**



**Aginode Ref:** 13200561
**EAN:** 3760400091851

## Benefits

- Excellent performance : Cable compliant with IEC 61156-5 CAT6A (channel 100m)
- System : compliant with EA class according to ISO/IEC 11801 & EN 50173 performances
- Time saving solution: universal installation in&out thanks to his specific LSZH jacket
- Security : flame retardant IEC 60332-1 and Eca level according to EN50575:2014+A1:2016 and IEC 60332-1
- Ccompatible with RJ45 CAT6A connector thanks to his awg23 gauge
- Immunity : PIMF construction for better EMC performance
- Compatible POE, POE+ and POE++
- Environmental : RoHS EC Directive and European Reach compliant

### Application

- suitable to connect all IP equipment : indoor and outdoor
- perfect cable for link configuration such as MPTL
- the special jacket guarantee a very good UV and humidity resistance and also a LSZH compliance

The AWG23 wire diameter authorize direct connection with RJ45 connector and field plug to make the installation quicker and easier.

Manufactured in accordance with IEC 61156-5 transmission requirements, the U/FTP cable is the best choice to support 10Gigabit Ethernet in channel configurations and MPTL link. Thanks to his special jacket this is the perfect solution for smart city and smart building applications such as video security applications, outdoor and indoor wifi access point, IP dynamic screen, urban automation systems etc.

### Construction

- conductor : solid bare copper
- insulation : polyethylen (EN 50290-2-23) - two insulated conductors twisted to a pair
- screen : Alu/PET on each pair, alu outside - 4/2 laid up together

## STANDARDS

EN 50173
EN 50288
EN 50575
IEC 61156-6
ISO/IEC 11801

*All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.*

- outer jacket : In&Out Eca (EN50575)

**Environment**

Designed to reduce the environment impact, Aginode cables are compliant with RoHS 2011/65 Directive and European Reach 1907/2006/EC regulation. The outer sheath of the cable is made of halogen free material (IEC 60754-1 / EN 50267-2-1), with limited smoke emissions (IEC 61034-1/2 / EN 50268-1/2) and no acide gaz emissions in case of fire (IEC 60754-2 / EN 50267-2-2).

Aginode measure the environmental impact of each cable. Upon request, PEP Ecopassport or the Eco Material Declaration could be available

## Related product

| Part Number | Description | Packaging |
|---|---|---|
| N420.66A | LANmark-6A Evo Snap-in Connector Category 6A Screened | 24 in individual polybag |
| N420.66A-ECO24 | LANmark-6A Evo Snap-in Connector Category 6A Screened ECO | 24 in 0 plastic "eco-friendly" packing |
| N420.66A-BULK100 | LANmark-6A Evo snap-in connector Category 6A screened BULK | Bulk 100 in polybag |
| N10G.CONSS | LANmark-10G Snap-in connector Category 6A Screened | 24 in individual polybag |
| N490.001 | LANmark-6A Field Terminable Plug Category 6A Screened | 24 in individual polybag |

*All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.*

# AGINODE CAT6A U/FTP 4P In/Out Eca 500m

## Characteristics

| | |
|---|---|
| **구조적 특성** | |
| 피복 | In & out |
| Sheath colour | 검은색 |
| Halogen free | 예 |
| Higher heating value | 493 MJ/km |
| Type of cable | U/FTP |
| Shielding | 80% tinned copper braid coverage |
| Individual screen | Aluminium / Polyester tape |
| Overall screen | Tinned copper braid |
| **치수** | |
| 무게(근사치) | 49 kg/km |
| Number of pairs | 4 |
| Conductor cross-section (AWG/KCMIL) | 23 |
| Diameter over insulation | 1.32 mm |
| Nominal outer diameter (mm) | 7.0 mm |
| External dimensions | Not applicable |
| **전기적 특성** | |
| 20° C에서 최대 도체 DC저항 | 75 Ohm/km |
| Characteristic impedance at 100 MHz | 100 Ohm |
| **기계적 특성** | |
| Maximum installation tension | 80 N |
| **Transmission characteristics** | |
| Nominal Velocity of Propagation (NVP) | 0.82 % |
| Coupling attenuation at 30 MHz | >70 dB |
| Typical maximum time delay | 450 ns/100m |
| Typical maximum delay skew for conductor | 536 ns/100m |
| Typical maximum delay skew for pair | 540 ns/100m |
| **사용 특성** | |

*All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.*

| | |
|---|---|
| Field of application | Indoor, Outdoor |
| Weather resistance | Excellent |
| 난연 | IEC 60332-1 |
| 연기밀도 | Low |
| Packaging | Drum 500 m |
| Ambient installation temperature, range | -25...50 °C |
| Bending factor when laying | 8 (xD) |
| 설치 시 벤딩 요소 | 4 (xD) |
| Ambient static operating temperature, range | -40...75 °C |

## 성과 선언

AGINODE CAT6A U/FTP 4P In/Out Eca 500m pdf — 115.57 KB 다운로드

*All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.*